CMS Simulation (LHE) 13 TeV 0.04 Fraction of events / 0.1  $pp \rightarrow h \rightarrow 2n_{_1} \rightarrow 2n_{_D} + 2\; \gamma_{_D} \rightarrow 2n_{_D} + 4\mu$  $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_2} = 1 \text{ GeV}$ 0.035  $m_{\gamma_D} = 0.25 \text{ GeV}, c\tau_{\gamma_D} = 0.5 \text{ mm}$ 1st dark photon (leading p<sub>T</sub>) 0.03 2nd dark photon 0.025 0.02 0.015 0.01 0.005 -3 3 -5